

FIG. 1

*Vacs of Life Study: Histamine binding protein
Histamine Nasal Challenge
Weight of Anterior Nasal Secretions (grams)*

| Subject | Histamine (mg/ml) | | | | |
|---------|-------------------|-------|-------|-------|-------|
| | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 |
| PH | | | | | |
| Pre | 0.023 | 0.022 | 0.294 | 0.456 | --- |
| Post | 0.095 | 0.077 | 0.071 | 0.229 | --- |
| JW | | | | | |
| Pre | 0.451 | 0.323 | 0.303 | 0.286 | --- |
| Post | 0.060 | 0.060 | 0.238 | 0.133 | 0.328 |
| KC | | | | | |
| Pre | 0.454 | 0.378 | 0.374 | 0.579 | 0.175 |
| Post | 0.245 | 0.288 | 0.236 | 0.249 | --- |

FIG. 2

Vacs of Life Study: Histamine binding protein

Histamine Nasal Challenge

Nasal Airways Resistance (kPa/L/sec)

| Subject | B | PVL | PS | Histamine (mg/ml) | | | | |
|---------|-------|-------|-------|-------------------|-------|-------|-------|-------|
| | | | | 0.5 | 1.0 | 2.0 | 4.0 | 8.0 |
| PH | | | | | | | | |
| Pre | 0.193 | ---- | 0.181 | 0.203 | 0.498 | 0.461 | 0.543 | ---- |
| Post | 0.235 | 0.185 | 0.190 | 0.187 | 0.250 | 0.297 | 0.317 | ---- |
| JW | | | | | | | | |
| Pre | 0.174 | ---- | 0.162 | 0.182 | 0.204 | 0.242 | 0.414 | ---- |
| Post | 0.131 | 0.172 | 0.223 | 0.228 | 0.254 | 0.287 | 0.444 | 0.538 |
| KC | | | | | | | | |
| Pre | 0.190 | ---- | 0.184 | 0.211 | 0.245 | 0.314 | 0.321 | 0.960 |
| Post | 0.207 | 0.214 | 0.228 | 0.245 | 0.288 | 0.236 | 0.249 | 0.843 |

B = Baseline PVL = post Vacs of Life PS = Post saline

FIG. 3b
Nasal histamine challenge on subject JW

